WHAT IS CLAIMED IS:

1	1. A micro TPV generator comprising:
2	a combustion chamber configured to generate a significantly even
3	temperature distribution on an outer wall thereof,
4	an emitter engaged around or at least in thermal connection to said
5	chamber, and
6	a photovoltaic cell in proximity to said emitter and configured to
7	generate an electrical current depending on photons incident thereon.
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1	2. A micro TPV generator as claimed in claim 1 wherein said chamber
2	including a platinum catalyst coating an inner wall thereof.
1	3. A micro TPV generator as claimed in claim 2 wherein said outer wall
2	is substantially cylindrical.
1	4. A micro TPV generator as claimed in claim 3 wherein said chamber
2	including a backwards facing step.
1	5. A micro TPV generator as claimed in claim 4 wherein said emitter has
2	an emission characteristic matched to the bandgap characteristic of said cell.
1	6. A micro TPV generator as claimed in claim 5 wherein said emitter
2	formed of Co-/Ni- doped MgO ribbon or tape.
1	7. A micro TPV generator as claimed in claim 5 wherein said emitter
2	formed of SiC.
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1	8. A micro TPV generator as claimed in claim 5 further comprising a
2	filter between said emitter and said cell configured to pass photons above a threshold and
3	reflect photons under said threshold.
1	9. A micro TPV generator as claimed in claim 8 wherein said filter
2	comprising a 9 layers of Si-SiO2 bonded between a glass slide and said cell.
1	10. A micro TPV generator as claimed in claim 9 wherein said cell formed
2	from a GaSb based semiconductor.

- 1 11. A micro TPV generator as claimed in claim 1 wherein said chamber
- 2 having an internal diameter less than 1 mm for hydrogen fuel at compressed pressure.
- 1 12. A micro TPV generator as claimed in claim 1 wherein said chamber
- 2 having an internal diameter less than 3 mm for propane at atmospheric pressure.